

SCIENCE YEARLY PLAN FOR YEAR TWO

SEMESTER 1

WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
THEME A - LEARNING ABOUT LIVING THINGS					
LEARNING AREA - 1.0 LIVING THINGS AND NON-LIVING THINGS					
1 - 4	1.1 To make observations and use these to group things into living things and non-living things.	1.1.1 Make a list of the things they see. 1.1.2 Group into living things and non-living things. 1.1.3 Record the group in the form of a table. 1.1.4 State the characteristics of living things: a It needs water and food b It breathes c It can move d It grows e It can produce young	Observing Classifying Communicating Defining operationally	Refer to curriculum specifications for Year 2 Science	living things non-living things grows food water breathe move produce

WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
		1.1.4 To recognise humans, animals and plants as living things	Observing Classifying Communicating	Refer to curriculum specifications for Year 2 Science	
THEME A - LEARNING ABOUT LIVING THINGS LEARNING AREA - 2.0 OURSELVES					
5 - 10	2.1. They need food and water to stay alive. 2.2 They need to eat different kinds of food to be healthy.	2.1.1 To state they need to eat and drink to stay alive. 2.2.1 To make a list of the different foods that they eat. 2.2.2 To present the list of foods they eat in the form of a pictograph and say what this shows e.g. the food that is eaten most. 2.2.3 To recognise that they need to eat different food to stay healthy.	Observing Communicating Predicting Interpreting data	Refer to curriculum specifications for Year 2 Science	rice fish chicken eggs meat vegetables fruits healthy

WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
	2.3 We grow and change as we grow older	2.2.4 To state the kinds of food that a) give energy b) help you grow c) help you stay healthy 2.3.1 Describe changes in themselves since birth. 2.3.2 State that they grow in height, size and weight.	Classifying Observing Communicating Using space- time relationship	Refer to curriculum specifications for Year 2 Science	vegetables fruits healthy taller crawling walking running jumping talking size height weight
THEME A - LEARNING ABOUT LIVING THINGS					
LEARNING AREA – 3.0 ANIMALS					
WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
11 - 14	3.1 What animals need to live	3.1.1 To state that animals need food, water and air to stay alive.	Observing Communicating		food water air

WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
	<p>3.2 The different foods that animals eat.</p> <p>3.3 Animals grow</p>	<p>3.2.1 To list foods eaten by some animals.</p> <p>3.2.2 To state that some animals</p> <p>a) eat plants b) eat other animals c) eat plants and other animals</p> <p>3.3.1 To state that animals grow in size and weight.</p> <p>3.3.2 To state that animals change as they grow</p>	<p>Observing</p> <p>Classifying</p> <p>Communicating</p>	<p>Refer to curriculum specifications for Year 2 Science</p>	<p>plants grass leaves seeds animals meat</p> <p>calf chick duckling kitten</p>
THEME A - LEARNING ABOUT LIVING THINGS					
LEARNING AREA – 4.0 PLANTS					
15 - 19	<p>4.1 Plants need the right amount of water for healthy growth</p>	<p>4.1.1 To measure a specific volume of water</p> <p>4.1.2 To observe and measure a growing plant.</p>	<p>Observing</p> <p>Controlling variables</p> <p>Measuring and using numbers</p>		<p>taller bigger more</p>

WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
	4.2 Flowering plants produce seeds which grow into new plants.	4.1.3 To record the observations in a chart. 4.1.4 To state that plants need water to grow but too much water may kill them 4.2.1 To recognise that flowering plants produce seeds which can grow into new plants. 4.2.2 Identify seeds and the plants.	Observing Interpreting data Controlling variables Measuring and using numbers Observing Classifying Making inferences SMS - Handling specimens carefully	Refer to curriculum specifications for Year 2 Science Refer to curriculum specifications for Year 2 Science	fruit seeds

SEMESTER 2					
WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
THEME B - LEARNING ABOUT THE WORLD AROUND US					
LEARNING AREA - 1.0 LONG OR SHORT					
20-22	<p>1.1 To observe and compare lengths</p> <p>1.2 To measure length using non-standard tools</p>	<p>1.1.1 State which object is longer or taller</p> <p>1.2.1 Describe ways to measure length</p> <p>1.2.2 Measure the length of an object using a non-standard tool.</p> <p>1.2.3 Record the length or height of an object in non-standard measurement in a table</p>	<p>Observing</p> <p>Communicating</p> <p>Measuring and using numbers</p>	<p>Refer to curriculum specifications for Year 2 Science</p>	<p>taller</p> <p>longer</p> <p>shorter</p> <p>straw</p> <p>string</p>

THEME B – LEARNING ABOUT THE WORLD AROUND US
LEARNING AREA : 2.0 THE MAGIC OF BATTERIES

WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
23-30	<p>2.1 Pupils should learn about things that use batteries.</p> <p>2.2 Pupils should learn how to use a battery.</p> <p>2.3 Pupils should learn how to make a complete circuit.</p>	<p>2.1.1 To identify things that use batteries.</p> <p>2.1.2 To list things that use batteries.</p> <p>2.2.1 To be able to use batteries correctly</p> <p>2.2.2 To recognise that batteries need to be inserted correctly for them to function.</p> <p>2.2.3 To describe how to insert a battery correctly.</p> <p>2.3.1. To describe different ways in which the batteries, wire and bulb can be connected.</p> <p>2.3.2 Are able to make a complete circuit using a battery, wire and bulb. (Are able to draw their working circuit and explain their drawing.)</p>	<p>Observing</p> <p>Classifying</p> <p>Communicating</p> <p>Making inferences</p> <p>Defining operationally</p> <p>SMS – Use and handle apparatus correctly.</p>	<p>Refer to curriculum specifications for Year 2 Science.</p>	<p>batteries</p> <p>toys</p> <p>radio</p> <p>torchlight</p>

THEME B – LEARNING ABOUT THE WORLD AROUND US					
LEARNING AREA – 3.0 MIXING THINGS					
	3.1 Some materials can dissolve in water and some cannot	3.1.1 Are able to recognise that some materials can dissolve in water. 3.1.2 to record their observations in a table	Observing Classifying Predicting Communicating SMS –Use and handle science apparatus and substances. SMS – Clean science apparatus SMS – Store science apparatus	Refer to the curriculum specification for Year 2 Science Refer to the curriculum specifications for Year 2 Science	water salt sugar coffee pepper curry powder dissolve
THEME B – LEARNING ABOUT THE WORLD AROUND US					
LEARNING AREA – 4.0 PUSH AND PULL					
31-35	4.1 Pushing and pulling can changes the shape of objects 4.2 Pushing or pulling can make things speed up, slow down or change direction	4.1.1 Describe what they did to change the shape of materials 4.2.1 Describe what they did to make things speed up, slow down or change direction.	Observing Classifying Making Inferences Predicting Experimenting Communicating	Refer to the curriculum specifications for Year 2 Science	push pull twist stretch squeeze faster slower direction

WEEK	LEARNING OBJECTIVES	LEARNING OUTCOMES	SPS/SMS	SUGGESTED LEARNING ACTIVITIES	VOCABULARY
	4.3 To make predictions and to test them	4.3.1 Predict which toy car will travel the furthest 4.3.2 Measure distances in appropriate units 4.3.3 Suggest and give reasons whether a comparison was fair or not	Experimenting	Refer to the curriculum specifications for Year 2 Science	push pull twist stretch squeeze faster slower direction

SCIENTIFIC ATTITUDES AND NOBLE VALUES

- ✓ Having an interest and curiosity towards the environment.
- ✓ Being honest and accurate in recording and validating data.
- ✓ Being diligent and preserving
- ✓ Being responsible about the safety of oneself, others, and the environment
- ✓ Realising that science is a means to understanding nature
- ✓ Appreciating and practicing clean and healthy living.
- ✓ Appreciating the balance of nature
- ✓ Being respectful and well-mannered
- ✓ Appreciating the contributing of science and technology
- ✓ Being thankful to God
- ✓ Having critical and analytical thinking
- ✓ Being flexible and open-minded
- ✓ Being kind-hearted and caring
- ✓ Being objective
- ✓ Being systematic
- ✓ Being cooperative
- ✓ Being fair and just
- ✓ Daring to try
- ✓ Thinking rationally
- ✓ Being confident and independent